

wherein:

said control means is adapted, in response to the operation of said control starting operation means while said memory instructing operation means is
5 operated or simultaneous with the operation of said memory instructing operation means, to cause said memory means to memorized the actual drive position of said optical member detected by said position detection means as the preset position information.

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13. An optical apparatus drive unit to be mounted on or connected to a main body of an optical apparatus including an optical member, the drive unit comprising:

memory means for memorizing preset position
15 information and preset speed information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information; and

control means for executing preset drive control
20 on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed information in response to the operation of said memory instructing operation means, and to drive said optical
25 member to a position corresponding to said memorized preset position information with a speed corresponding to said memorized preset speed information.

14. An optical apparatus drive unit according to claim 13, wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive speed of said optical member at the time of operation of said memory instructing operation means as the preset speed information.

10 15. An optical apparatus drive unit according to claim 13, further comprising:

drive instructing operation means to be operated for generating a drive speed command for said optical member corresponding to the operation amount;

15 wherein said control means is adapted, when said drive instructing operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive speed command at the time of operation of said memory
20 instructing operation means as the preset speed information.

16. An optical apparatus drive unit according to claim 13, wherein:

25 said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed

corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

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17. An optical apparatus drive unit according to claim 13, further comprising display means for displaying that said preset drive control is executed.

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18. An optical apparatus drive unit according to claim 13, further comprising:

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speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

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19. An optical apparatus drive unit according to claim 13, further comprising control starting operation means to be operated for starting said preset drive control.

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20. An optical apparatus drive unit according to claim 19, wherein said control means is adapted to interrupt said preset drive control in response to the

operation of said control starting operation means in the course of said preset drive control.

21. An optical apparatus drive unit according to
5 claim 13, further comprising:

drive instructing operation means to be operated for generating a drive speed command for said optical member according to the operation amount;

wherein said control means is adapted to interrupt
10 said preset drive control in response to the operation of said drive starting operation means in the course of said preset drive control.

22. An optical apparatus drive unit according to
15 claim 13, further comprising:

position detection means for detecting the actual drive position of said optical member;

wherein said control means is adapted, in response to the operation of said memory instructing operation
20 means, to cause said memory means to memorize the actual drive position of said optical member detected by said position detection means as the preset position information.

23. An optical apparatus drive unit according to
25 claim 22, further comprising:

control starting operation means to be operated

for starting the preset drive control;

wherein said control means is adapted, in response to the operation of said memory instructing operation means and to the operation of said control starting operation means, to cause said memory means to memorize the actual drive position of said optical member detected by said position detection means as the preset position information.

10 24. An optical apparatus drive unit according to claim 23, wherein:

 said control means is adapted, in response to the operation of said control starting operation means while said memory instructing operation means is operated or simultaneous with the operation of said memory instructing operation means, to cause said memory means to memorize the actual drive position of said optical member detected by said position detection means as the preset position information.

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 25. A camera system including a camera on which an optical apparatus is mounted, the camera system comprising:

 an optical member constituting the optical apparatus;

 memory means for memorizing preset position information and preset speed information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information; and

control means for executing preset drive control
5 on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed information in response to the operation of said memory instructing operation means, and to drive said optical
10 member to a position corresponding to said memorized preset position information with a speed corresponding to said memorized preset speed information.

26. A camera system according to claim 25,
15 wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive speed of said optical member
20 at the time of operation of said memory instructing operation means as the preset speed information.

27. A camera system according to claim 25,
further comprising:

25 drive instructing operation means to be operated for generating a drive speed command for said optical member corresponding to the operation amount;

wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive speed command at the time of operation of said memory instructing operation means as the preset speed information.

28. A camera system according to claim 25, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

29. An optical apparatus comprising:
an optical member constituting the optical apparatus;

memory means for memorizing preset speed information and preset direction information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information; and

control means for executing preset drive control
on said optical member;

wherein said control means is adapted to cause
said memory means to memorize arbitrary preset speed
5 information and arbitrary preset direction information
in response to the operation of said memory instructing
operation means, and to drive said optical member with
a speed corresponding to said memorized preset speed
information and in a direction corresponding to said
10 memorized preset direction information.

30. An optical apparatus according to claim 29,
wherein:

said control means is adapted, when said optical
15 member is driven and said memory instructing operation
means is operated, to cause said memory means to
memorize the actual drive speed of said optical member
at the time of operation of said memory instructing
operation means as the preset speed information.

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31. An optical apparatus according to claim 29,
further comprising:

drive instructing operation means to be operated
for generating a drive speed command for said optical
25 member corresponding to the operation amount;

wherein said control means is adapted, when said
drive instruction operation means is operated and said

memory instructing operation means is operated, to
cause said memory means to memorize the drive speed
command at the time of operation of said memory
instructing operation means as the preset speed
5 information.

32. An optical apparatus according to claim 29,
wherein:

said control means is adapted, when said optical
10 member is driven and said memory instructing operation
means is operated, to cause said memory means to
memorize the actual drive direction of optical
adjustment means at the time of operation of said
memory instructing operation means as the preset
15 direction information.

33. An optical apparatus according to claim 29,
further comprising:

drive instructing operation means to be operated
20 for generating a drive direction command for said
optical member corresponding to the operation
direction;

wherein said control means is adapted, when said
drive instruction operation means is operated and said
25 memory instructing operation means is operated, to
cause said memory means to memorize the drive direction
command at the time of operation of said memory

instructing operation means as the preset direction information.

34. An optical apparatus according to claim 29,
5 wherein:

said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to
10 control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

35. An optical apparatus according to claim 29,
15 further comprising display means for displaying that said preset drive control is executed.

36. An optical apparatus according to claim 29,
further comprising:

20 speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive
25 said optical member with the drive speed selected by said speed selecting operation means.

37. An optical apparatus according to claim 29, further comprising control starting operation means to be operated for starting said preset drive control.

5 38. An optical apparatus according to claim 37, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

10 39. An optical apparatus according to claim 29, further comprising:

drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

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wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

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40. An optical apparatus drive unit to be mounted on or connected to a main body of an optical apparatus including an optical member, the drive unit comprising:

25 memory means for memorizing preset speed information and preset direction information;

memory instructing operation means to be operated

for causing said memory means to memorize the preset speed information and the preset direction information; and

control means for executing preset drive control
5 on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed information and arbitrary preset direction information in response to the operation of said memory instructing
10 operation means, and to drive said optical member with a speed corresponding to said memorized preset speed information and in a direction corresponding to said memorized preset direction information.

41. An optical apparatus drive unit according to
15 claim 40, wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to
20 memorize the actual drive speed of said optical member at the time of operation of said memory instructing operation means as the preset speed information.

42. An optical apparatus drive unit according to
25 claim 40, further comprising:

drive instructing operation means to be operated for generating a drive speed command for said optical

member corresponding to the operation amount;

wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to
5 cause said memory means to memorize the drive speed command at the time of operation of said memory instructing operation means as the preset speed information.

10 43. An optical apparatus drive unit according to claim 40, wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to
15 memorize the actual drive direction of said optical member at the time of operation of said memory instructing operation means as the preset direction information.

20 44. An optical apparatus drive unit according to claim 40, further comprising:

drive instructing operation means to be operated for generating a drive direction command for said optical member corresponding to the operation
25 direction;

wherein said control means is adapted, when said drive instruction operation means is operated and said

memory instructing operation means is operated, to
cause said memory means to memorize the drive direction
command at the time of operation of said memory
instructing operation means as the preset direction
5 information.

45. An optical apparatus drive unit according to
claim 40, wherein:

said control means is adapted, in the execution of
10 said preset drive control, to compare the actual drive
speed of said optical member with a drive speed
corresponding to the preset speed information and to
control to increase or decrease the actual drive speed
of said optical member in such a manner that said two
15 drive speeds substantially coincide.

46. An optical apparatus drive unit according to
claim 40, further comprising display means for
displaying that said preset drive control is executed.

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47. An optical apparatus drive unit according to
claim 40, further comprising:

speed selecting operation means to be operated for
selecting the drive speed of said optical member either
25 at a drive speed corresponding to the preset speed
information or at a maximum drivable speed;

wherein said control means is adapted to drive

said optical member with the drive speed selected by said speed selecting operation means.

5 48. An optical apparatus drive unit according to claim 40, further comprising control starting operation means to be operated for starting said preset drive control.

10 49. An optical apparatus drive unit according to claim 48, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

15 50. An optical apparatus drive unit according to claim 40, further comprising:

20 drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

 wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

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 51. A camera system including a camera on which an optical apparatus is mounted, the camera system

comprising:

an optical member constituting the optical apparatus;

memory means for memorizing preset speed
5 information and preset direction information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information; and

10 control means for executing preset drive control on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed information and arbitrary preset direction information
15 in response to the operation of said memory instructing operation means, and to drive said optical member with a speed corresponding to said memorized preset speed information in a direction corresponding to said memorized preset direction information.

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52. A camera system according to claim 51, wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation
25 means is operated, to cause said memory means to memorize the actual drive speed of said optical member at the time of operation of said memory instructing

operation means as the preset speed information.

53. A camera system according to claim 51,
further comprising:

5 drive instructing operation means to be operated
for generating a drive speed command for said optical
member corresponding to the operation amount;

wherein said control means is adapted, when said
drive instruction operation means is operated and said
10 memory instructing operation means is operated, to
cause said memory means to memorize the drive speed
command at the time of operation of said memory
instructing operation means as the preset speed
information.

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54. A camera system according to claim 51,
further comprising:

speed selecting operation means to be operated for
selecting the drive speed of said optical member either
20 at a drive speed corresponding to the preset speed
information or at a maximum drivable speed;

wherein said control means is adapted to drive
said optical member with the drive speed selected by
said speed selecting operation means.